

10053516

## Freeform Search

<b>Database:</b>	US Pre-Grant Publication Full-Text Database				
	US Patents Full-Text Database				
	US OCR Full-Text Database				
	EPO Abstracts Database				
	JPO Abstracts Database				
	Derwent World Patents Index				
	IBM Technical Disclosure Bulletins				
<b>Term:</b>	110 and signal				
<b>Display:</b>	10	Documents in <u>Display Format:</u>	-	Starting with Number	1
<b>Generate:</b> <input type="radio"/> Hit List <input checked="" type="radio"/> Hit Count <input type="radio"/> Side by Side <input type="radio"/> Image					

Search	Clear	Interrupt
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## Search History

DATE: Friday, August 19, 2005   [Printable Copy](#)   [Create Case](#)

Set Name Query

side by side

Hit Count Set Name

result set

DB=USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ

<u>L11</u>	110 and signal	9	<u>L11</u>
<u>L10</u>	19 and reporter	9	<u>L10</u>
<u>L9</u>	L8 and (degradat\$3 near5 protein\$1)	11	<u>L9</u>
<u>L8</u>	16 and (agent\$1 or compound\$1)	153	<u>L8</u>
<u>L7</u>	L6 and ((agent\$1 or compound\$1) near10 degradat\$3 near5 protein\$1)	0	<u>L7</u>
<u>L6</u>	L5 and (differen\$2 near5 protein\$1)	154	<u>L6</u>
<u>L5</u>	L4 and subpopulat\$3	257	<u>L5</u>
<u>L4</u>	L3 and (inhibit\$3 near5 expres\$4)	2777	<u>L4</u>
<u>L3</u>	11 and (popula\$4 near5 cell\$1)	5047	<u>L3</u>
<u>L2</u>	L1 and (populat\$3 5A cell\$1)	0	<u>L2</u>
<u>L1</u>	expres\$4 same fusion same protein	21103	<u>L1</u>

END OF SEARCH HISTORY

1005-3516

```
> s short 5A liv## 5a protein#
L1 0 SHORT 5A LIV## 5A PROTEIN#

=> s short (P) liv## (P) protein#
L2 13736 SHORT (P) LIV## (P) PROTEIN#

=> s l2 and (xpres### 5a fusiong protein#)
L3 0 L2 AND (XPRES### 5A FUSIONG PROTEIN#)

=> s l2 and (expres### 5A fusion protein#)
L4 0 L2 AND (EXPRES### 5A FUSION PROTEIN#)

=> s l2 and fusion protein#
L5 363 L2 AND FUSION PROTEIN#

=> s l5 and (reporter# 5A protein#)
L6 0 L5 AND (REPORTER# 5A PROTEIN#)

=> s l5 and (inhibit### 10A expres###)
L7 0 L5 AND (INHIBIT### 10A EXPRES###)

=> s l5 and (inhibit### 10A expres###)
L8 0 L5 AND (INHIBIT### 10A EXPRES###)

=> s l5 and (inhibit### 5A expres####)
L9 0 L5 AND (INHIBIT### 5A EXPRES####)

=> s l5 and inhibit###
L10 82 L5 AND INHIBIT###

=> s l10 and (differen## 10A protein#)
L11 0 L10 AND (DIFFEREN## 10A PROTEIN#)

=> s l10 and (reporter# 10A signal#)
L12 0 L10 AND (REPORTER# 10A SIGNAL#)

=> s l10 and inhibit###
L13 82 L10 AND INHIBIT###

=> s l13 and cDNA librar###
1 FILES SEARCHED...
L14 1 L13 AND CDNA LIBRAR###

=> d l14 bib ab kwic
```

```
L14 ANSWER 1 OF 1 MEDLINE on STN
AN 2004493369 MEDLINE
DN PubMed ID: 15461799
TI Development of a method for screening short-lived
proteins using green fluorescent protein.
AU Jiang Xin; Coffino Philip; Li Xianqiang
CS Panomics Inc, 2003 East Bayshore Road, Redwood City, CA 94063, USA..
xjiang@panomics.com
NC R01 45335 (NIGMS)
R43 GM64036
SO Genome biology, (2004) 5 (10) R81. Electronic Publication: 2004-09-28.
Journal code: 100960660. ISSN: 1465-6914.
CY England: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200507
ED Entered STN: 20041006
Last Updated on STN: 20050729
Entered Medline: 20050728
AB We have developed a screening technology for the identification of
short-lived proteins. A green fluorescent
protein (GFP)-fusion cDNA library was
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generated for monitoring degradation kinetics. Cells expressing a subset of the GFP-cDNA expression library were screened to recover those in which the fluorescence signal diminished rapidly when **protein** synthesis was **inhibited**. Thirty clones that met the screening criteria were characterized individually. Twenty-three (73%) proved to have a half-life of 4 hours or less.

TI Development of a method for screening **short-lived proteins** using green fluorescent **protein**.

AB We have developed a screening technology for the identification of **short-lived proteins**. A green fluorescent **protein** (GFP)-fusion **cDNA library** was generated for monitoring degradation kinetics. Cells expressing a subset of the GFP-cDNA expression library were screened to recover those in which the fluorescence signal diminished rapidly when **protein** synthesis was **inhibited**. Thirty clones that met the screening criteria were characterized individually. Twenty-three (73%) proved to have a half-life of 4 hours.

CT . . . \*Gene Library

- \*Green Fluorescent Proteins: AN, analysis
- Green Fluorescent Proteins: GE, genetics
- Half-Life
- Humans
- Kinetics
- Protein Biosynthesis: DE, drug effects
- Protein Synthesis Inhibitors: PD, pharmacology**
- \*Proteins: AN, analysis
- Proteins: GE, genetics
- \*Proteins: ME, metabolism
- Recombinant Fusion Proteins: AN, analysis**
- Recombinant Fusion Proteins: GE, genetics**
- Recombinant Fusion Proteins: ME, metabolism**
- Research Support, N.I.H., Extramural
- Research Support, U.S. Gov't, P.H.S.
- Time Factors

CN 0 (Protein Synthesis **Inhibitors**); 0 (Proteins); 0 (Recombinant **Fusion Proteins**)

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